

Claims:

1. An intermediary bushing to be inserted into the central receptacle (4) of a chuck with a cylindrical body (6a) which has a central clamp hole (7) in the form of a through hole, the body (6a) having several radial slots (8) distributed along its outer circumference which extend over the whole axial length of the intermediary bushing (6),
10 characterised in that the slots (8) have a maximum width of 0.6 mm, and the outer contour, the slots (8) and the clamp hole (7) of the intermediary bushing (6) are spark-eroded, and that over its whole length the body (6a) has a through slot (12) extending
15 from its outer circumference to the inner circumference with a maximum width of 0.6 mm.
2. The intermediary bushing according to Claim 1,
25 characterised in that the slots (8) have a maximum width of 0.35 mm, and in particular a maximum width of 0.5 mm.
3. The intermediary bushing according to Claim 1 or 2,
30 characterised in that the through slot (12) has a maximum width of 0.35 mm, and in particular a maximum width of 0.3 mm.

5 4. A chuck with a chuck body (1) in which a central
receptacle (4) is formed for the shaft of a tool to
be clamped, and a coolant supply duct which extends
between the end of the chuck body (1) on
the machine side and the receptacle (4), so as to
10 supply the end of a tool pushed into the receptacle
(4) on the machine side with a coolant, an
intermediary bushing (6) being inserted into the
receptacle (4), characterised in that the
intermediary bushing (6) is formed according to any
15 of

Claims 1 to 3.

5. The chuck according to Claim 4, characterised in
that a sealing material is inserted into the slots
20 (8).

6. A method for producing an intermediary bushing (6)
to be inserted into the receptacle (4) of a
chuck with a cylindrical body (6a) which has a
25 central clamp hole (7) in the form of a through
hole, several radial slits being provided,
distributed along the outer circumference of the
cylindrical body (6a) and which extend over the
whole axial length of the intermediary bushing
30 (6), characterised in that over its whole length the
body (6a) has a through slit (12) extending from
its outer circumference to the inner circumference,
the outer contour, the central clamp hole (7)

5 and the slots (8) and/or the through slot (12) being produced with a maximum width of 0.6 mm by means of an electrical discharge machining process in a single machine clamping.

10 7. The method according to Claim 6, characterised in that the slots (8) are produced with a maximum width of 0.3 mm.